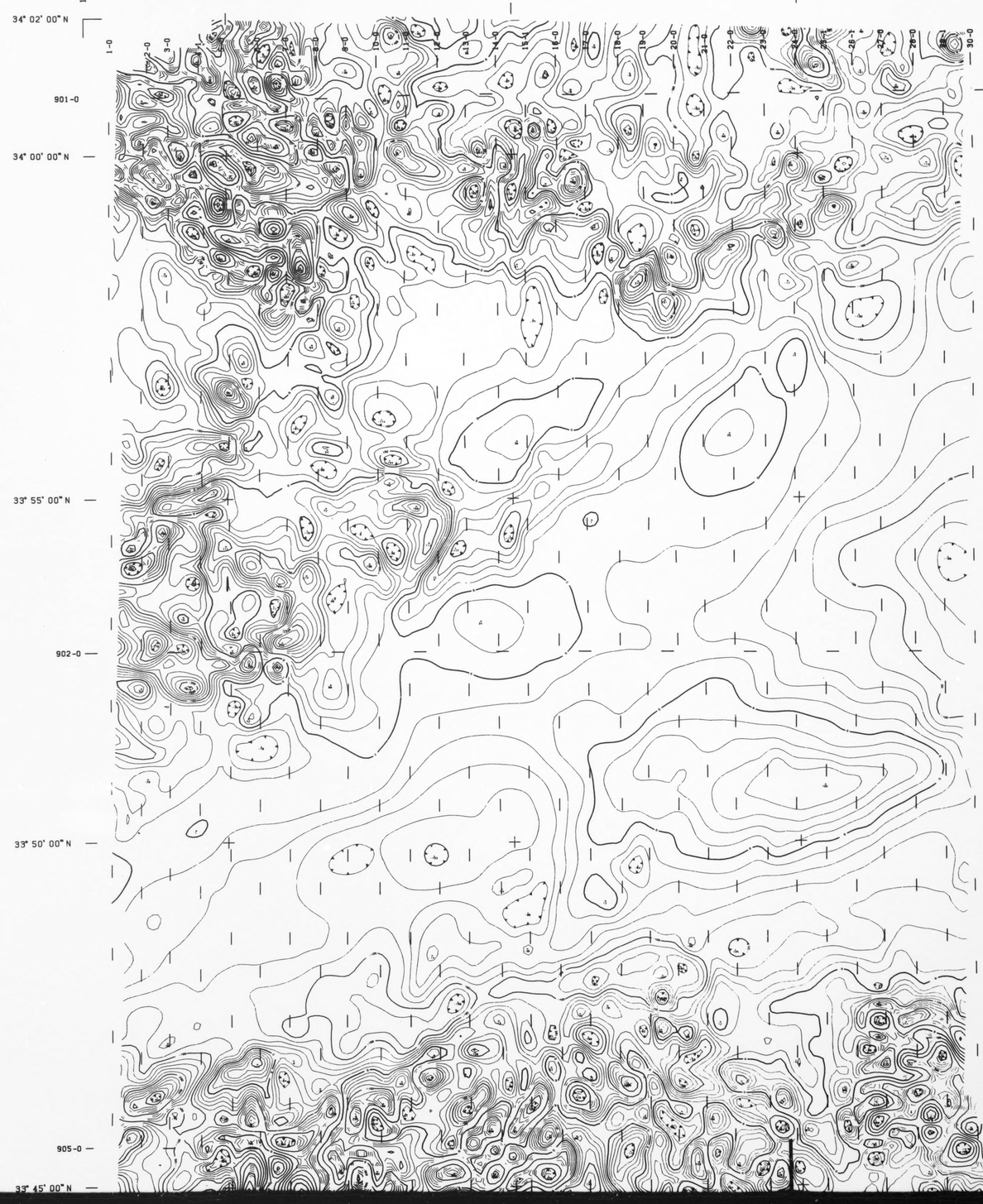
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

OPEN-FILE REPORT
87-338



SURVEY SPECIFICATIONS

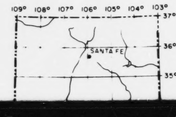
Contour Interval:	20 Gammas
Flight Line Spacing Traverse Lines:	0.50 Mile
Tie Lines :	9.0 Miles
Flight Line Direction:	NORTH - SOUTH
Tie Line Direction :	EAST - WEST
Sample Interval:	173.8 Feet
Flight Path Record:	JVC Color Video Camera
Digital Acquisition System:	GeoMetrics G-714
Latitude and Longitude interval:	5.0 Minutes
Survey Altitude:	300 Feet MTC
Projection:	Universal Transverse Mercator
Grid Zone:	12
Spheroid:	Clarke 1866 Spheroid
Flight line recovery:	Visually to 1:24000 USGS topos
Magnetometers:	GeoMetrics G-813 Proton Precession
Sensitivity:	0.01 Gamma
Flown:	December, 1985
Flown by:	Airborne Geophysics, Inc.
Compiled by:	EG&G GeoMetrics

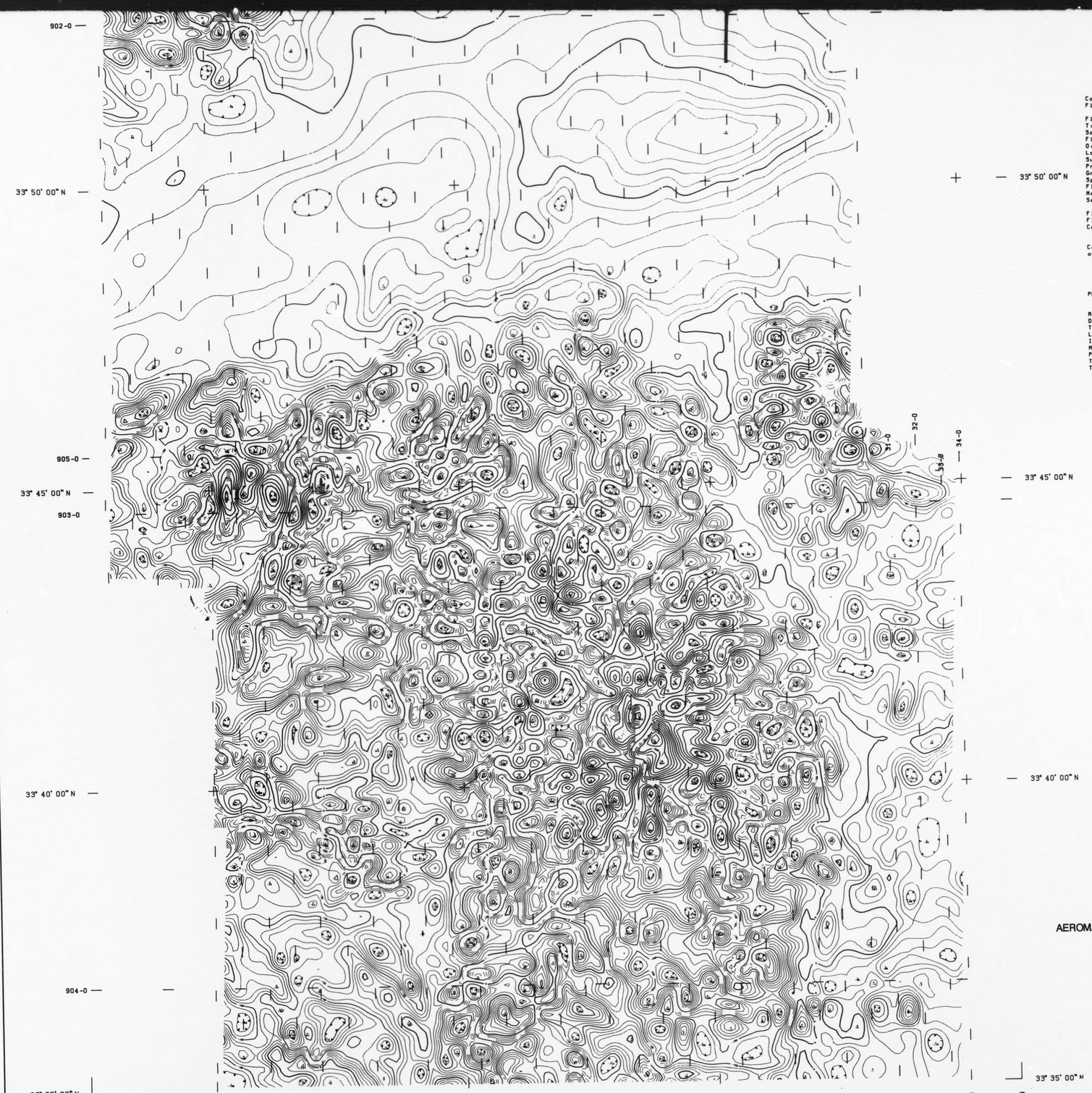
Corrected Total Intensity Magnetometer Value Before Removal of IGRF

X-LCTN-METERS :	755285.125
Y-LCTN-METERS :	218569.031
TIME :	16.016
MAG-CORR-ONL-GAMMAS :	50789.438

PROCESSING DETAILS:

Reference field:	1980 IGRF Updated to 1985.9
Diurnal:	Removed
Type of Filtering:	None
Levelling:	DC Bias adjusted by least squares
Interpolation Method:	Minimum Curvature with Bicubic Spline
Magnetic Declination:	11.4214 Degrees
Primary Grid Size:	365.76m by 365.76m
Tie Lines were not used in Interpolation:	
Type of Data:	Gradient Enhanced Residual Magnetic Data From Horizontal Gradiometer:





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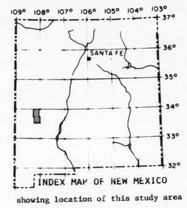

INDEX MAP OF NEW MEXICO
showing location of this study area

AEROMAGNETIC MAP OF THE HORSE SPRINGS AREA, WESTERN NEW MEXICO

BY

U.S. GEOLOGICAL SURVEY

1987

SCALE 1:50 000

1 0 1 2 3 4 MILES

1 0 1 2 3 4 KILOMETERS

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